Redeye CSP Minimum Water Quality Eligibility Checklist and Certification Form

Water Quality Concerns in the Redeye Watershed include Fecal Coliform, Turbidity, Nutrients and Pesticides in Surface Waters and Fecal Coliform, Nitrogen and Pesticides in Groundwater

Complete this form for all fields that you wish enrolled in CSP. This form applies to Tier I status only. Higher management levels will be required to qualify for Tier III status and select enhancements. Place an "X" in the appropriate box next to each question. An X indicates "Yes" unless otherwise stated.

☐ **1**. Are fields you wish to enroll protected from erosion caused by concentrated water (No noticeable channels greater than 6 inches in depth)?

☐ **2.** Have you documented field specific nutrient and pest management activities for the **past 2 years** on fields you wish to enroll? This documentation includes:

- crops and yields, planting and harvest dates
- identified pest problem, control applied, date applied and results of control
- pesticide brand name, EPA registration number, active ingredient and rates applied
- commercial fertilizer and manure applications
  - including rates, timing, nutrient content, and method of application and incorporation
- quantity of manure and other organic products produced annually
- quantity of manure transported off-site to land not owned or controlled.

☐ **3**. **Are realistic yield goals** for fields you wish to enroll within the range indicated below?

☐ *Provide supporting data if realistic yield goals are higher than ranges indicated. Indicate fields:*

Typical Realistic Yield Goals for Non-Irrigated Fields	Typical Realistic Yield Goals for Irrigated Fields
100 -124 bushels per acre for corn	150 - 174 bushels per acre for corn
13 -15 tons for corn silage	19 - 21 tons for corn silage
30 -39 bushels per acre for soybeans	40 -49 bushels per acre for soybeans
4 tons per acre for alfalfa	5 tons per acre for alfalfa
81 - 100 bushel per acre of oats	81 - 100 bushels per acre for oats
1901-2400 lbs per acre dry edible beans	1901 -2400 lbs per acre for dry edible beans
50 – 59 bushels per acre for wheat	400 CWT per acre for potatoes

Realistic yield goals for unlisted crops should be within 120% of published yield goals found in the NRCS Electronic Field Office Technical Guide (E-FOTG), Section II; County Soils Information;

http://www.nrcs.usda.gov/technical/efotg/

Or within 110% of the county average yield as found in Minnesota Agricultural Statistics (average the most current 2 years and multiply by 1.10).

http://www.nass.usda.gov/mn/ctycrop.htm

☐ 4. Do you have current **soil test results** for fields you wish to enroll that meet the following criteria**?**

- Tests are no older than 4 years for most rotations including rotations containing three or more years of row crops followed by hay/grass. See exceptions below.
  - Tests for rotations containing primarily hay and pasture should be no older than the rotation length but no more than 8 years old (e.g. Corn/Oats/Alfalfa/Alfalfa/Alfalfa/Grass/Grass/Grass).
- Analyzed for pH, organic matter (O.M.), phosphorus (P), and potassium (K)

- Analyses must be from a Minnesota Department of Agriculture (MDA) certified soil-testing lab (**See attached list).** *If not, submit new soil test results from a certified lab prior to December 1 or prior to fall fertilizer applications.*

☐ **5**. Do you have current **manure test results** meeting the following criteria from every manure source of 75 or more animal units? *This requirement only applies to fields that have received manure applications within the last 2 years. Indicate fields that have received applications within the last 2 years on a map or photo.*

- Analyses are no older than 4 years for operations that have historical annual records demonstrating no change in analyses across multiple years. Otherwise analyses are no older than 2 years.
- Analyses are from a MDA certified manure-testing lab **(see attached list).** *If not, submit new manure analysis results from a certified lab immediately following the next haul out*

☐ ***6***. Do your fertilizer and manure application rates meet the criteria listed below?

- Application rates are based on results of soil tests
- Nitrogen application rates are within 20 lbs. per acre of Univ. of Minn. Fertilizer Recommendations
  - The total amount of N applied accounts for nutrients provided by previous legume crops, past manure applications as well as all commercial fertilizer and manure applied in the crop year
- Phosphorus application rates are within 20 lbs. per acre of Univ. of Minn. Fertilizer Recommendations
  - Manure application rates based on nitrogen result in phosphate (**P_2O_5**) application rates that exceed Univ. of Minn. **P_2O_5** recommendations. This will normally be acceptable. However, commercial fertilizer phosphorus additions to these manured fields are limited to **15 lbs. per acre**.
  - In order to comply with state law, manure applications are based on phosphorus removal on some fields with high soil test P levels (See #7 below).

Basic Univ. of Minn. Nitrogen recommendations
Soil Organic Matter Levels Less than 3.0 %

Total pounds of nitrogen per acre for corn				
Yield Goal	Continuous Corn	Corn following Soybeans	Corn – 1st year following Alfalfa	Corn – 2nd year following Alfalfa
100-124 bu./acre	130	90	30	80
125-149 bu./acre	160	120	60	110
150-174 bu./acre	190	150	90	140

Soil Organic Matter Levels 3.0 and Greater or Southeastern Minnesota Well-Drained Soils with Silt Loam Surface Textures

Total pounds of nitrogen per acre for corn				
Yield Goal	Continuous Corn	Corn following Soybeans	Corn – 1st year following Alfalfa	Corn – 2nd year following Alfalfa
100-124 bu./acre	100	60	0	50
125-149 bu./acre	130	90	30	80
150-174 bu./acre	160	120	60	110

Univ. of Minn. Phosphate recommendations

		Soil Test **Phosphorus** Level					
		Bray P1	0-5 ppm	6-10 ppm	11-15 ppm	16-20 ppm	21 ppm
		Olsen	0-3 ppm	4-7 ppm	8-11 ppm	12-15 ppm	16+ ppm
		Pounds of **Phosphate** fertilizer per Acre					
Crop	Realistic Yield Goal (bu/acre)		Broadcast (Row)	Broadcast (Row)	Broadcast (Row)	Broadcast (Row)	Broadcast (Row)
Corn	100-124		75 (40)	50 (25)	30 (20)	10 (10-15)	0 (10-15)
	125-149		85 (45)	60(30)	35 (25)	10 (10-15)	0 (10-15)
	150-174		100 (50)	70 (35)	40 (30)	15 (10-15)	0 (10-15)
Soybeans	30 – 39		60	40	0	0	0
Alfalfa	4 tons		65	45	25	10	0
Alfalfa	5 tons		80	55	30	15	0
Oats	801-100		50	35	20	0	0
Ed. Beans	1901-2400 lbs		45	30	20	10	0
Wheat	50 -59		50 (25)	35 (20)	20 (15)	0 (10 – 15)	0

If you grow crops or have rotations not shown above you will have to consult the following sources to answer question #6.

- University of Minnesota Fertilizer Recommendations for field crops and vegetable crops at:
  - http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/plant%20nutrient/plantnutrient.htm
- An on-line calculator to determine Univ. of Minnesota recommendations can be found at:
  - http://www.agry.purdue.edu/mmp/webcalc/fertRec.asp
- Manure nutrient availabilities can be found at the following link:
  - http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/manure/manure.htm

☐ **7**. If you **apply manure, do you meet the following criteria** on fields you are enrolling?

- **Manure is or will be applied with calibrated application equipment.**
- **Manure applications are based on crop phosphorus removal** on fields within 300 feet of lakes and streams without field edge filter strips if those fields have soil test phosphorus values greater than 21 ppm Bray 1 (16 ppm Olsen)
- **No manure is applied:**
  - in road ditches
  - within 25 feet of lakes, perennial and intermittent streams and public water wetlands
  - within 50 feet of water supply wells, mines, quarries, sinkholes receiving surface runoff, or other direct conduits to groundwater
  - with a traveling gun or center pivot within 300 feet of lakes, perennial and intermittent streams and public water wetlands
- **No wintertime manure applications** (ground is frozen, snow-covered, or actively thawing):
  - within 300 feet of lakes, perennial and intermittent streams and public water wetlands.
  - on any field with sheet and rill soil losses greater than 4 tons/acre/year (solid manure) or greater than 2 tons/acre/year (liquid manure). *Soil loss estimates will be needed to answer this question*.
- **Manure is injected (or incorporated within 24 hours)** within 300 feet of:
  - surface tile intakes, water supply wells, mines, quarries, sinkholes receiving surface runoff, or other direct conduits to groundwater

- lakes, perennial and intermittent streams and public water wetlands on fields that do not have a field edge filter strip

- **No manure is applied during usual peak flood periods on "frequently" flooded soils**
  - floods 50-100 times in 100 years
- **Fall manure applications on coarse textured soils are delayed until soil temperature is below 50° F at a 6" depth (Approximately Nov. 1 dependent on area of the state).**
- **On fields with high water tables**, a **15 inch or greater separation is maintained** between applied manure and fractured bedrock or high water table.
- **A cover crop is established** when manure is applied in June, July or August to fields that have been harvested or would otherwise not have active growing crops for the remainder of the growing season.

☐ **8**. If you **fall apply commercial nitrogen fertilizer,** applications:

- Are made after the **soil temperature** is **below 50° F** at a 6" depth (Approx. Nov. 1)
- Do not contain **nitrates**
- Are <u>not</u> made to soils in the textural classes of **loamy sand** and **sand.** Sidedress or split-applications are used

The attached field maps identify areas having coarse-textured soil profiles down to 3 feet; flooding potential; wet soil moisture status. These maps will help you answer some of the above questions.

☐ **9.** Do you store, handle, transport, mix, and dispose of all pesticides, pesticide containers, unused pesticides and rinsate in accordance with **state law** and **safe handling procedures**? This includes setbacks from sensitive areas when mixing or loading pesticides or cleaning application equipment. Setbacks vary dependent on state law but are often 150 feet.

☐ **10**. Do you implement the concepts and principles of **Integrated Pest Management (IPM)** into your pest management plan? **Check the IPM practice(s) used**.

These include:

☐ Using disease and weed free seed used to prevent introduction of pests into fields

☐ Selecting plant varieties that are resistant to pests and adapted to growing seasons and hardiness in respective areas of the state

☐ Regularly scouting fields to properly identify pest conditions, need for control and timing of control (frequency dependent on pest)

☐ Using multiple pest control methods including effective biological, mechanical, cultural and chemical pest controls

☐ Following all label requirements when using chemical control treatments

☐ Calibrating application equipment before mixing and loading pesticides at the beginning of each season and any time nozzle type is changed.

☐ **11.** Have you implemented mitigation practices to minimize the potential environmental impacts of products containing the following chemicals*:

- **Herbicides**
  - Acetochlor, Alachlor, Atrazine, Isoxaflutole, Metolachlor, Metribuzin and Pronamide
- **Insecticides**
  - Bifenthrin, Carbofuran, Chloropyrifos, Cyfluthrin, Cyhalothrin, Esfenvalerate, Fipronil, Permethrin, Phorate, Tefluthrin, Terbufos and Zeta-cypermethrin

Attached is a list of products that contain the above listed chemicals.

***Mitigation practices include one or more of the following:** *<u>Check mitigating practice(s) used.</u>*

☐ Using low end of label rate ranges

☐ Timing applications to reduce potential for movement in runoff or leaching

☐ Band applying, spot treating or variable rate applying where appropriate

☐ Using companion crops, cover crops and crops residues, when appropriate, to suppress weed growth

☐ Using crop cultivation and shallow tillage operations to control annual and biennial weed seedlings

☐ Installing additional erosion and runoff control measures to minimize off-site movement of applied pesticides

☐ Establishing vegetated buffer areas which separate normal crop production practices from sensitive features such as sinkholes, wells, streams, lakes, waterways and tile inlets

☐ Additional practices listed by MDA as Best Management Practices (BMPs) for all agricultural herbicides and as BMPs specific to "common detection" pesticides

** If you are not using one of these mitigation practices, NRCS will evaluate your fields to determine if mitigation is unnecessary. You will meet the eligibility criteria if the results of our evaluation show low probability of impacting human health (A WIN-PST rating of L or VL for Human Toxicity). Indicate the chemical and the field it was used on.*

Submit the following:

- Proof of yield for each crop with higher yield goals than shown in question 3 (e.g. At least 3 years of crop insurance reports, elevator receipts, etc).

Complete and submit the attached Water Quality Benchmark Worksheets to help NRCS evaluate if you qualify for Tier III status and certain nutrient management enhancements.

Retain the following. This information will be requested from you if you are spot-checked:

- All records of nutrient and pesticide applications for the past 2 years.
- Most recent soil and manure test results from a Minn. Dept. of Agriculture certified lab.
- Other information that verifies your eligibility including information listed in Question 2 above.

I have reviewed and understand the CSP Tier I minimum water quality eligibility requirements and certify that I meet all requirements on the following fields:

_____ _____

CSP Applicant's Name Date

CSP Pesticide List by Active Ingredient

This list is not all inclusive. Other products may also contain the active ingredients listed

Herbicides

Acetochlor	**Alachlor**	**Atrazine**	**Isoxaflutole**	**Metolachlor**	**Metribuzin**	**Pronamide**
Certainty	Bronco	Aatrex	[redacted]	Bicep II	Axiom	Kerb
Channel	Bullet	Axiom	[redacted]	Boundary	Boundary	
Confidence	Freedom	Basis Gold		Camix	Canopy	
Degree	Intrro	Bicep II		Cinch	Domain	
Degree Xtra	Lariat	Bullet		Dual II	Sencor	
Double Play	Micro-Tech	Cinch ATZ		Expert		
Field Master	Partner	Degree Xtra		Lexar		
Fortitude	Shroud	Expert		Lumax		
FulTime	Lasso	Field Master		Medal		
Harness		FulTime		Me-Too-Lachlor		
Keystone		G-Max Lite		Parallel		
Ruler		Guardsman		Pennant MAGNUM		
Shot Blast		Harness Xtra		Sequence		
Stall		Keystone		Stalwart		
Surpass		Laddok		[redacted]		
TopNotch		Lariat				
Volley		Leadoff				
		Lexar				
		Liberty ATZ				
		Lumax				
		Marksman				
		Shotgun				
		[redacted]				
		Stalwart Xtra				
		Steadfast ATZ				
		[redacted]				

Insecticides

Bifenthrin	**Carbofuran**	**Chlorpyrifos**	**Cyfluthrin**	**Cyhalothrin**	**Esfenvalerate**
Capture	Furadan	Cyren TC	Aztec	Battle GC	Asana
		Dursban	Baythroid	Demand CS	
		Lock-On	Decathlon	Karate	
		Lorsban	Discus	Scimitar CS	
		Nufos	Leverage	Warrior	
		Whirlwind	Renounce		
			Tempo		
Fipronil	**Permethrin**	**Phorate**	**Tefluthrin**	**Terbufos**	**Zeta-cypermethrin**
Ceasefire	Ambush	Thimet	Force	Counter	Mustang
Regent	Astro				
[redacted]	Dragnet SFR				
	[redacted]				
	Pounce				
	Prelude				

CSP Pesticide List

This list is not all inclusive. Additional pesticides contain the active ingredients listed earlier

Pesticides that require mitigation practices

Herbicides

Aatrex	Intrro
Axiom	Kerb
Axiom AT	Keystone
[redacted]	Laddok
Basis Gold	Lariat
Bicep	Leadoff
Boundary	Lexar
Bronco	Liberty ATZ
Bullet	Lumax
Camix	Marksman
Canopy	Medal
Certainty	Me-Too-Lachlor
Channel	Micro-Tech
Cinch	Parallel
Cinch ATZ	Partner
Confidence	Pennant MAGNUM
Degree	Ruler
Degree Xtra	Sencor
Domain DF	Sequence
Double Play	Shot Blast
Dual II	Shotgun
[redacted]	Shroud
Expert	[redacted]
Field Master	Stall
Fortitude	Stalwart
Freedom	Stalwart Xtra
FulTime	Steadfast ATZ
G-Max Lite	Surpass
Guardsman	TopNotch
Harness	[redacted]
Harness Xtra	Volley

Insecticides

Ambush
Asana
Astro
Aztec
Battle GC
Baythroid
Capture
Ceasefire
Counter
Cyren TC
Decathlon
Demand CS
Discus
Dragnet SFR
Dursban
Force
Furadan
Karate
Kickstart VP
Leverage
[redacted]
Lorsban
Mustang
Nufos
Pounce
Prelude
Regent
Renounce
Scimitar
Tempo
Thimet
[redacted]
Warrior
Whirlwind

Certified Soil and Manure Testing Laboratories

The following laboratories are certified for soil and/ or manure testing by the Minnesota Department of Agriculture.

BOTH MANURE AND SOIL

Iowa

Ag Source/Belmond Labs Inc.
1245 Hwy 69 N.
Belmond, IA 50421
Phone: 641-444-3384 Fax: 641-444-4361

LGI Labs
1532 DeWitt St.
Ellsworth, IA 50075
Contact: Mr. Mike Lindaman
Phone: 515-836-4444 Fax: 515-836-4541

Minnesota

Ag Resource Consulting
329 2nd Street Northwest
PO Box 667
Albany, MN 56307-0667
Contact: Mr. Glen Borgerding
Phone: (320) 845-6321

Agvise Inc.
902 13th St. North PO Box 187
Benson, MN 56215
Contact: Ms. Cindy Deppe
Phone: 320-843-4109 Fax: 320-843-2074

MTVL
326 CENTER ST
New Ulm, MN 56073
Contact: Ms. Mary Ann Baumgart
Phone: 800-782-3557 Fax: 507-359-2890

International Ag Labs, INC.
800 West Lake Avenue
Fairmont, MN 56031
Contact: Ms. Pat Fleming
Phone: 507-235-6909 Fax: 507-235-9155

Nebraska

Midwest Laboratories, Inc.
13611 "B" Street
Omaha, NE 68144-3693
Contact: Mr. Ken Pohlman
Phone: 402-334-7770 Fax: 402-334-9121

Servi-Tech Labs
1602 Park West DR
PO Box 169
Hastings, NE 68901-0169
Contact: Ms. Nancy Jenny
Phone: 402-463-3522 Fax: 402-463-8132
800-468-5411

Ohio

Brookside Lab., Inc.
308 S. Main Street
New Knoxville, OH 45871
Contact: Mr. Mark Flock
Phone: 419-753-2448 Fax: 419-753-2949

Spectrum Analytic
1087 Jamison Rd.
Washington C.H., OH 43160
Contact: Mr. Vernon Pabst
Phone: 740-335-1562 Fax: 740-335-1104

Wisconsin

Dairyland Laboratories
217 E Main
Arcadia, WI 54612
Contact: Mr. Wesley Nugteren
Phone: 608-323-2123 Fax: 608-323-2184

SOIL ONLY

Iowa

MVTL Laboratories, Inc.
35 W Lincoln Way
Nevada, IA 50201
Contact: Ms. Teresa C. Sjulin
Phone: 515-382-5486 Fax: 515-382-3885

Frontier Labs, Inc.
3031 Highway 122 East
Clear Lake, IA 50428
Contact: Mr. Richard Finstad
Phone: 641-357-7645 Fax: 641-357-0279

Illinois

Mowers Soil Testing Plus Inc.
117 E. Main Street
Toulton, IL 61483
Contact: Mr. Steve Wiedman
Phone: 309-286-2761

Minnesota

Soil Testing and Res. Anal. Lab
Rm. 135 Crops Res. Bldg / 1903 Hendon Ave.
Univ. of Minnesota
St. Paul, MN 55108
Contact: Mr. Roger Eliason
Phone: 612-625-3101 Fax: 612-624-3420

North Dakota

Agvise Northwood ND
Highway 15
PO Box 510
Northwood, ND 58267
Contact: Ms. Julie Johnson
Phone: 701-587-6010 Fax: 701-587-6013

North Dakota State University
Soil Testing Lab-Waldron Hall #103
PO Box 5575
Fargo, ND 58105
Contact: Mr. Larry Swenson
Phone: 701-231-9589 Fax: 701-231-7861

Ohio

Logan Labs
184 West Main Street
PO Box 1455
Russells Point, OH 43348
Contact: Ms. Susan Shaner
Phone: 937-842-6100 Fax: 937-842-2433

South Dakota

South Dakota State Univ, Soil Testing
Box 2207, AGH 219
Brookings, SD 57007
Contact: Mr. Ron Gelderman
Phone: 605-688-4766 Fax: 605-688-4667

Wisconsin

Ag Source Soil and Forage Lab
106 North Cecil Street
PO Box 7
Bonduel, WI 54107
Contact: Mr. Steve Peterson
Phone: 715-758-2178 Fax: 715-758-2620

MANURE ONLY

Alabama

Auburn University Soil Testing Laboratory
118 Funchess Hall
Auburn, AL 36849
Phone: 334-844-3958
Fax: 334-844-4001

Arizona

IAS Laboratories
2515 E. University Dr.
Phoenix, AZ 85034
Phone: 602-273-7248
Fax: 602-275-3836

Arkansas

Agricultural Diagnostic Services Laboratory
1366 Altheimer Drive
University of Arkansas
Fayetteville, AR 72704
Phone: 501-575-3908
Fax: 501-575-3896

California

DANR Analytical Lab
207 Hoagland Hall, One Shields Avenue
University of California
Davis, CA 95616-8627
Phone: 530-752-0147
Fax: 530-752-9892

Dellavalle Laboratory, Inc.
1910 W. McKinley
Suite 110
Fresno, CA 93728-1298
Phone: 559-233-6129
Toll Free: 800-228-9896 (CA)
Fax: 559-268-8174

Georgia

Waters Agricultural Laboratories, Inc.
257 Newton Highway
P.O. Box 382
Camilla, GA 31730-0382
Phone: 229-336-7216
Fax: 229-336-7967

Iowa

Iowa Testing Laboratories, Inc.
1101 North Iowa Avenue - Hwy #17 N.
P.O. Box 188
Eagle Grove, IA 50533-0188
Phone: 515-448-4741
Toll Free: 800-274-7645
Fax: 515-448-3402

Illinois

Agri-King Laboratory
18246 Waller Rd.
P.O. Box 208
Fulton, IL 61252
Phone: 800-435-9560
Toll Free: 800-435-9560
Fax: 815-589-3800

Alvey Laboratory
1511 E. Main St.
P.O. Box 175
Belleville, IL 62222
Phone: 618-233-0445
Fax: 618-233-7292

Indiana

A & L Great Lakes Laboratories, Inc.
3505 Conestoga Dr.
Ft. Wayne, IN 46808
Phone: 260-483-4759
Fax: 260-483-5274

Kansas

Servi-Tech Laboratories, Inc.
1816 East Wyatt Earp Dr.
P.O. Box 1397
Dodge City, KS 67801
Phone: 620-227-7123
Toll Free: 800-557-7509
Fax: 620-227-2047

Kentucky

Waters Agricultural Laboratories, Inc.
2101 Calhoun Road
Highway 81
Owensboro, KY 42301
Phone: 270-685-4039
Fax: 270-685-3989

Maryland

University of Maryland Soil Testing Laboratory
Room 0225
H.J. Patterson Hall, NRSL
College Park, MD 20742
Phone: 301-405-1352
Fax: 301-314-9049

Maine

Analytical Lab - Maine Soil Testing Service
5722 Deering Hall
University of Maine
Orono, ME 04469-5722
Phone: 207-581-2945
Fax: 207-581-3597

Woods End Research Laboratory
1850 Old Rome Road
P.O. Box 297
Mt. Vernon, ME 4352
Phone: 207-293-2457
Fax: 207-293-2488

Michigan

Litchfield Analytical Services
535 Marshall St.
P.O. Box 457
Litchfield, MI 49252
Phone: 517-542-2915
Fax: 517-542-2014

Minnesota

Agronomic and Environmental Laboratories, Inc.
79960 550th Avenue
Jackson, MN 56143
Phone: 507-847-4767
Fax: 507-847-4767

Stearns Co. DHIA Central Laboratory
825 12th St. South
P.O. Box 227
Sauk Centre, MN 56378-0227
Phone: 320-352-2028
Toll Free: 800-369-2697
Fax: 320-352-6163

Nebraska

Olsen's Laboratory, Inc.
210 East First Street
P.O. Box 370
McCook, NE 69001-0370
Phone: 308-345-3670
Fax: 308-345-7880

Ward Laboratories, Inc.
4007 Cherry Ave.
P.O. Box 788
Kearney, NE 68848-0788
Phone: 308-234-2418
Toll Free: 800-887-7645
Fax: 308-234-1940

Oregon

Agri-Check, Inc.
323 Sixth Street
P.O. Box 1350
Umatilla, OR 97882
Phone: 541-922-4894
Fax: 541-922-5496

Pennsylvania

Agri Analysis, Inc.
280 Newpoet Road
P.O. Box 483
Leola, PA 17540
Phone: 717-656-9326
Fax: 717-656-0910

Agricultural Analytical Services Laboratory
111 Tower Rd.
Pennsylvania State University
University Park, PA 16802
Phone: 814-863-0841
Fax: 814-863-4540

South Dakota

South Dakota State University
Analytical Services Olson Biochemistry Labs
Box 2170, ASC 133
Brookings, SD 57007-1217
Phone: 605-688-6171
Toll Free:
Fax: 605-688-6295

Tennessee

A & L Analytical Laboratories, Inc.
411 North Third Street
Memphis, TN 38105
Phone: 901-527-2780
Toll Free: 800-264-4522
Fax: 901-526-1031

Washington

Soiltest Farm Consultants
2925 Driggs Dr.
Moses Lake, WA 98837
Phone: 509-765-1622
Fax: 509-765-0314

Wisconsin

AgSource Cooperative Services
106 North Cecil Street
P.O. Box 7
Bonduel, WI 54107
Phone: 715-758-2178
Fax: 715-758-2620

Rock River Laboratory, Inc.
N8741 River Rd.
PO Box 169
Watertown, WI 53094-0169
Phone: 920-261-0446
Fax: 920-261-1365

University of Wisconsin Soil and Forage Analysis Lab
8396 Yellowstone Drive
Marshfield, WI 54449
Phone: 715-387-2523
Fax: 715-387-1723

Canada

Norwest Laboratories
3131 First Ave. S.
Lethbridge, AB, Canada T1J 4H1
Phone: 403-329-9266
Toll Free: 800-773-3962
Fax: 403-327-8527

Soil and Feed Laboratory
PEI Dept. of Agriculture & Forestry
440 University Ave., PO Box 1600
Charlottetown, PE, Canada C1A 7N3
Phone: 902-368-5671
Fax: 902-368-6299